GOVERNMENT OF INDIA
HEALTH AND FAMILY WELFARE
LOK SABHA

UNSTARRED QUESTION NO:678
ANSWERED ON:25.02.2009
PNEROMONE ARTIFICIAL HORMONE TECHNIQUE
Surendran Shri Chengara

Will the Minister of HEALTH AND FAMILY WELFARE be pleased to state:

(a) whether the Indian Council of Medical Research(ICMR) has applied Pneromone Artificial Hormone Technique to arrest the mosquito breeding in Alappuzha District of Kerala;

(b) if so, the details thereof and the outcome of the said experiment;

(c) whether the Government proposes to extend the said programme to other parts of the country; and

(d) if so, the details thereof?

Answer

THE MINISTER OF STATE FOR HEALTH & FAMILY WELFARE (SMT. PANABAKA LAKSHMI)

(a) Yes, Sir

(b) In Alappuzha, about 1500 houses were selected in three localities viz. Vetalkal, Kadakarapally and Muhamma and about 6000 ovitraps were placed. In each house 2-4 ovitraps i.e. one treated and others untreated were kept as experiment and control respectively.

The numbers of eggs in positive experimental evitraps were found to be significantly higher than control evitraps. It indicates that the attracticide attracts the female. As aegypti mosquito to lay their eggs.

As per data collected so far the numbers of larvae were found almost equal in both experimental and control evitraps as the eggs were not able to hatch due to presence of Insect Growth Regulator (IGR) (the attractant) in the Experimental evitrap. The study revealed that in Muhamma locality of Kerala, a total of 3498 experimental evitraps were found positive against 3769 positive evitraps in control Similar type of result was observed from other localities of Kerala.

(c) & (d) The decision to extend the use of Pneromone Artificial Hormone Technique to other parts would depend on the final results.